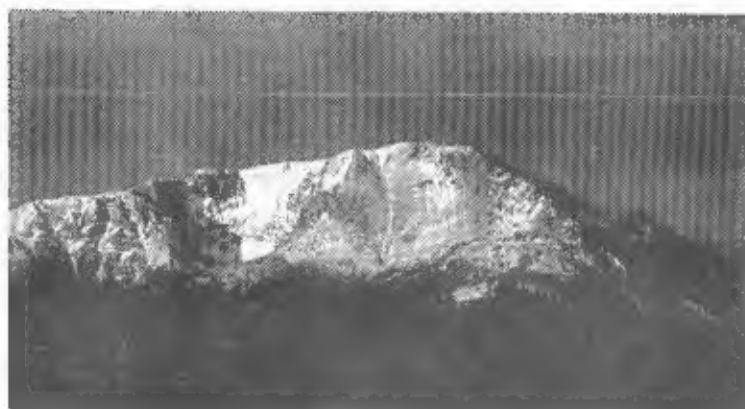




Ø Beat

Volume 49, Issue 7 The PPRAA is a non-profit 501(c)(3) organization June 1999

Inside This Issue:

Activities Committee Request.....	Page 3
APRS Basics	Page 6
Board Meeting Minutes.....	Page 5
HELP WANTED: Publicity Chair	Page 7
Hill Climb Seeks Volunteers.....	Page 8
Lunch Bunch	Page 8
Meet One Of YOUR Club Members!	Page 4
Membership Meeting Minutes	Page 2
President's Corner	Page 7
Treasurer's Report.....	Page 3
Upcoming Swapfests.....	Page 8
Upcoming Programs.....	Page 3

The **Ø Beat** is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935.

For membership and subscription information see the last page of this publication. Deadline for submission of articles or advertisements is the Monday following the Board Meeting.

Please send newsletter items directly to the **Ø Beat** Editor: Phone: 229-5703 / FAX: 683-7360 / Email: n0jlh@qsl.net
Permission is granted to reprint articles provided credit is given to both the author and this publication.

Monthly advertising rates: Full page, \$48; Half page, \$24; Quarter page, \$12; Business card, \$6.

Send your ad requests and payments to PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Field Day!

June 26-27, 1999

Always The Fourth Full Weekend In June
Mike Stansberry, KØTER

Field Day \feeld day\ noun: 1) Competitive event where Amateur Radio operators set up radio equipment in the field to compete for score; 2) An event to test the readiness of Amateur Radio Emergency Communications; 3) A chance to meet new friends and test the limits of your favorite hobby.

Dear Field Day Participants:

Each year during the fourth full weekend in June, thousands of amateurs descend on parks, malls, schools, and other venues to participate in the most popular on-the-air amateur radio events: Field Day. From the experienced old-timer to the fledgling new-

(Continued on page 9)

Reminder — General Membership Meeting

Our next General Membership Meeting be on the second Wednesday of this month at 7 PM. We will be meeting at our regular meeting location: Mt. Calvary Lutheran Church, 1318 N Circle Drive, (between Galley Road and Palmer Park Boulevard) in Colorado Springs.

Pikes Peak Radio Amateur Association

PPRAA Officers and Directors

President:	Moe Pierce	WBØRTF	550-0406	wb0rtf@amsat.org
Vice-President:	Mike Anderson	WV7T	634-7168	wv7t@aol.com
Secretary:	Paula Gainer	KCØAGG	391-2567	hobbylady@hotmail.com
*Treasurer:	Rob Roller	N7LV	282-0204	n7lv@amsat.org
Ø Beat Editor:	Jeff Boyes	NØJLH	229-5703	n0jlh@qsl.net
*Past President:	Greg Tarcza	WA2OOD	597-7064	gregt@col.hp.com
*Board Member:	Bill Petty	NØNJX	532-1439	william.petty@lsil.com
*Board Member:	Les Borst	KCØNC	634-3995	kc0nc@kktv.com
Board Member:	Roger French	KBØRLF	598-9570	clutch_service@msn.com

General Membership Meeting Minutes

May 12, 1999

Paula Gainer KCØAGG

Moe WBØRTF opened by saying "Welcome to the May PPRAA General membership meeting". Introductions were given.

Last month's Ø-Beat minutes passed as printed.

Treasurer's Report: Rob N7LV, see his separate report in the Ø-Beat. Rob N7LV also sent around a sign-up sheet to order club jackets. They are around \$30.00 to \$35.00. If you wish to order one please contact him. The Treasurer's report minutes passed. Rob also passed around a sign-up sheet for volunteers to help with the Hill Climb.

Announcements: Aaron KD6FLM said that he spoke with the gentlemen about the 4th on the 3rd celebration and we are now set to go for this event. A sign-up sheet was sent around looking for volunteers to help pass out information and work tables.

Mike WV7T was impressed with the work that Sid K4ARM and his crew did for the recent accumulation of rain that we had, with operators lining up for jobs to help out. Mike talked about the Volksmarch that he and John NØQJS will be working on. If you need more information about the Volksmarch contact either John NØQJS or Mike WV7T. Mike mentioned that Moe would be adding another year to her Ham license and we wished Moe Happy Birthday.

Moe WBØRTF said that we are pleased to have the use of the church building and that things are going well, but asked the smokers to please not leave their cigarette butts laying around as the groundskeeper has to clean them up. So let's please clean up after ourselves. Thanks.

Committee Reports: Ø-Beat Jeff NØJLH mentioned there is a new logo for the Ø-Beat. He also apologized for the articles that have not gotten printed in the Ø-Beat yet and they would soon be printed. He is excited about starting a regular column called "Meet the members". He would like to encourage members to send in biography type articles.

Hammy: Greg WA2OOD received the hammy last month, and on Greg's behalf, Bill NØNJX presented the hammy to Dick Pache K2LCT.

No Old or New Business

Bill NØNJX will be the fox for the month of May.

The next Board meeting will take place at the QTH of Bill Petty NØNJX at 7:00pm. Maps were passed out.

Program: Rob N7LV gave a very explicit and informational talk on the MIR contact with Prairie Hills Elementary School students. He showed us a video and also news coverage of this very exciting event.

The meeting adjourned at 9:15pm local.



Committee Chairpersons/Contacts

Activity	Renay Boyes	KAØROY	229-5703
Auditing			
Asset	Mike Stansberry	KØTER	636-1290
Historian	Jody Borst	KAØROZ	634-3995
Interference	Bill Petty	NØNIX	532-1439
Membership	Les Borst	KCØNC	634-3995
Programs	Rick Brown	KØSU	531-9423
Publicity	Ron Deutsch	NKØP	593-8352
Public Service	Mike Stansberry	KØTER	636-1290
Swapfest '99	Bob Ryals	KIØGF	265-9950
Technical Instr.	Linda Hedges	KBØRKW	520-9238
VE Testing	Erik Mugele	KGØXE	596-5345
Ø Beat Editor	Jeff Boyes	NØJLH	229-5703

Upcoming Programs **Rick Brown, KØSU**

This month - State level ARES talk by N5LPZ, Mike Morgan about what clubs and Hams can do to support local govt. on DEC 31, 1999. (Y2K stuff)

Next Month - NØUVR will talk about fox hunting techniques.

August - Tentative talk on DXing.

Other Organizational Liaisons

ARES Liaison	Mike Stansberry	KØTER 636-1290
CCARC Liaison	Ron Deutsch	NKØP 593-8352
RACES Liaison	John Roberts	KBØVGX 575-8400

Miley's Radio

Jess, KØTAA

719 W. 7th St.

Florence, Colorado 81226

(719) 784-3040

All brands of new, used, and consignments.

We trade, and give you top trade-in price.
We buy used ham equipment.

Treasurer's Report **Rob Roller, N7LV**

For period ending 4/30/99:

Income-Expenses=Gain or (Loss)
\$197.00-\$870.51=(\$673.51)

Contact me if you want more details.



12 Store Buying Power

8400 East Iliff, Unit 9, Denver, Colorado 80231

(303) 745-7373

(800) 444-9476

24 hour FAX order line: (303) 745-7394

Joe, KDØGA Dean, ACØS

Activities **Renay Boyes KAØROY**

I need a volunteer to Reserve the Picnic Arera at the USAF Academy for the Club picnic. If you can help please put your name and phone number in the Suggestion Box. Thanks.



Hamfest/Raffle: Although not included in the report above, the hamfest is over, and it was a very successful event! My personal thanks to all involved for doing a great job! Lots of people helped with organizing, setup/teardown, and the operations on May 1. The hamfest (not including raffle) netted the club about \$500, and the raffle brought in about another \$700. One of the best returns in a while!

Budget: I've asked the rest of the board and committees to provide input into the budget for the July board meeting - what are your annual requirements? If you have any suggestions about other things the club should be doing please pass them on to me or come by the July board meeting.

Jackets: By the time this goes to print the club jackets should be on order. Since I won't be at the June meetings, if they're done by then I'll have someone pick them up for me.



License Exams

License examinations sponsored by the PPRAA are held at 9 AM on the 2nd Saturday of February, April, June, August, October, and December at Denver Technical College, 225 South Union, Colorado Springs.

Testing takes place one block east of the main DTC entrance at the SE corner of Parkside Drive and International Circle. The entrance to the rooms we use are marked DTC.

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

- \$6.45 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
- Picture identification.
- A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. We keep the copies.
- A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele, KGØXE at 596-5345. Please do not call Denver Technical College.

Meet One Of YOUR Club Members!

[Ed. Note: I would like to see this type of column become a regular one in the O Beat. Please consider writing a short article about yourself.]

To my fellow Hams:

This is Mike Dassero, NØMUD and I would like to introduce myself.

I am 51, retired U.S. Navy and retired Police Officer. Born in Nebraska, my family moved to Colorado Springs in the fall of 1960 where I attended junior high and my high school years at Palmer HS, class of '65.

I joined the Navy in 1965 and after boot camp became a Navy radioman for the next 18 years. During my radioman days I saw the communications field go from International Morse Code to HF communications to satellite communications. I learned the art of code in my radioman class A school, which I attended after five years in the field so the only thing I had to concentrate on was code. This was in 1970 and the Navy was starting to phase out code and it was already downgraded to 14 wpm. By the time I graduated I was copying 18 wpm perfectly, and working on 21. Back to the fleet and it went pretty much by the wayside until I got into submarines and operating with various foreign navies in South America. The only way to communicate was via code, so there I was using it again. I have experience in minor radio repair, antenna maintenance and was once a teletype repairman. I served on 13 ships and on most of them I was involved in MARS one way or the other. On one of the subs I was on I was not the Chief Mars Operator but might have well of been as I was the only radioman to know the "lingo". I got started in the lingo by using CB Radios, as a lot of us have, not that some would admit it but they have. My last two years in the Navy was in law enforcement as Chief of my own police dept.

After retiring, I became a police officer in Coronado, Ca. Located in San Diego County as that is where my family wanted to reside. I wanted to come home to Colorado so it took me a while. After getting hurt on the job and taking a medical retirement I finally made it back home to Colorado Springs. Yes folks, this city has grown. Yes I pick on the Californians on the air but I earned the right having lived with them.

(Continued on page 9)

Board Meeting Minutes
May 17, 1999
Paula Gainer KCØAGG

Attending members: Moe WBØRTF, Mike WV7T, Paula KCØAGG, Rob N7LV, Jeff NØJLH, Les KCØNC, Roger KBØRLF, Bill NØNJX, and Rick KØSU (sitting in for Greg WA2OOD)

Guests: Bill KDØJU, Rhoda KB2BZY, Renay KAØROY, Jody KAØROZ, Aaron KD6FLM, and Cassie Boyes.

The meeting opened at 7:10pm. Introductions were given.

Announcements: Mike WV7T said that the special event station for Armed Forces Day that took place last weekend was a real blast. He was pleased with all of the club members that showed up for this event. We have a volunteer for auditor for the club: Jerry N5GVP. Mike is waiting for a list of volunteers that helped with the flood so certificates can be issued to those people.

Bill NØNJX was the fox for the foxhunt. He had two fox transmitters made up. He said that Austin, W6RML was the winner. Others showed up before Austin did, but he had the lowest mileage. Bill has an idea for a walking foxhunt for future hunts. More information will be forthcoming.

Rob N7LV acquired the building usage agreement from the church. Rob signed the agreement stating the rules of the church facilities and the grounds. He has the list of members that ordered club jackets, and he will be turning the order in soon.

Aaron KD6FLM spoke to the lady from the Pikes Peak Library District and we will be able to use the facility, but it will cost a little bit of money. There is a \$10.00 administrative fee, and \$5.00 per hour. For the 4th on the 3rd celebration, Wes from MARC has the trailer and canopy.

Paula KCØAGG had received a letter of resignation from Ron NKØP at the General membership meeting for April, as he is stepping down as Publicity Chairperson. Any volunteers for this position? Also Paula sent a sympathy card to Tex KBØODP, as his sister-in-law just passed on.

Jody KAØROZ bought a new photo album and filler paper for the historian and gave the bill to Rob N7LV.

Les KCØNC stated that we still need a volunteer to coordinate the VHF/UHF station for Field Day. Any volunteers? We acquired two renewal applications this month.

Moe WBØRTF thanked the members for the birthday card and the cake. Moe reminded us to start planning next year's Swapfest. It's never too early.

Next month's program will be given by Mike Morgan N5LPZ about Y2K.

The next Board meeting will take place at the QTH of Greg WA2OOD.

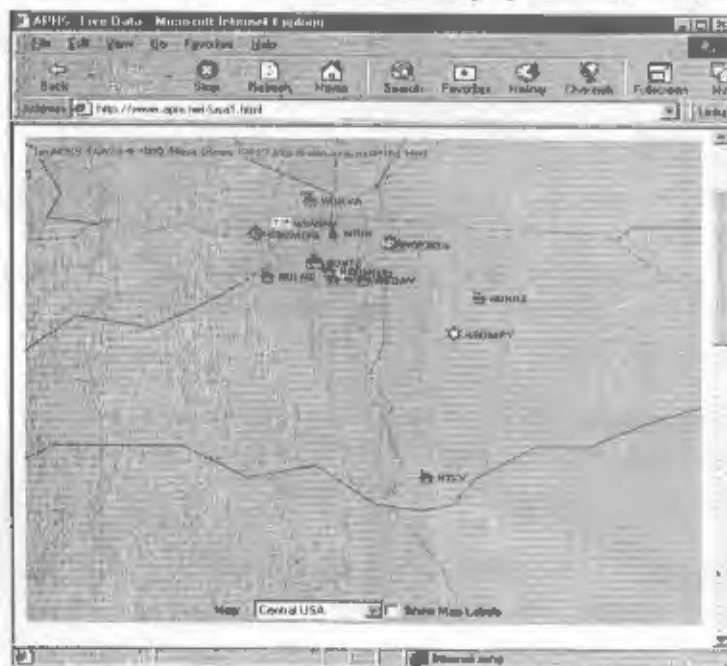
The meeting adjourned at 8:15pm local.



APRS – The Basics

Rob Roller, N7LV

There have been many ideas for using packet radio for other purposes than just passing text messages. At the 1988 ARRL Networking Conference at the USAFA, Rob Taylor KA6NAN and Dewayne Hendricks WA8DZP introduced a chess game that ran on a Macintosh, displayed a chess board, and used packet radio to transfer chess movement information between two stations. Surely this was one of the first graphical applications using packet.



The Automatic Position Reporting System (APRS) is another such graphical use of packet radio. APRS is software that displays a map and plots positions of APRS stations. Figure 1 shows stations in the Denver/COS area captured from the Internet.

You need the rest of your packet station to operate. GPS is optional for a fixed location, and for a mobile tracker. But practically, the mobile tracker needs the GPS unit so you don't have to enter your location manually. A PC isn't required for a mobile tracker.

APRS operation is quite simple. All stations pass information via a UI (unconnected information) frame; there are no connects as in normal packet. The UI frame contains the lat/long info, and any comments. The information is relayed through the digipeater function of the TNC. You may ask, "How can this be, since to digi you need to know the call sign of the digipeaters?" That's cor-

rect, and in APRS, everyone sets their MYALIAS function to either RELAY or WIDE. So now you know the ALIAS of the digipeater, which is as good as knowing the call sign. This is a simplistic way of looking at it, but there are a few variations. But that's all you need to know. Here's an example.

Let's look at three APRS stations: N7LV (ALIAS=RELAY), KC5LXC (ALIAS=WIDE), and KB0MQQ (ALIAS=WIDE), and they're shown in Figure 2. I configure my APRS to digi to KC5LXC,WIDE,WIDE. When my TNC transmits, it sends a UI frame to the address specified in my UNPROTO address. (For most TNCs this is set to CQ by default.) But APRS configures my UNPROTO to the set of addresses KC5LXC,WIDE,WIDE. So Phil's TNC picks up my packet, and digi's it on to a WIDE station. Who is WIDE, you ask? Any other TNC in the system that has a good location with wide coverage. In this example, KB0MQQ has his ALIAS set to WIDE. KB0MQQ sees KC5LXC's digi of my packet, and then KB0MQQ also passes on the digi to the next TNC whose ALIAS is WIDE, wherever it may be.

So the cycle repeats. Packets are short and fairly frequent, so the occasional collisions that can be killers on regular packet are not a problem on APRS. That's also why it's to the advantage of APRS to get WIDEs up as high as possible. Of course, as with any system of stations, coordination is mandatory so there aren't more WIDEs than necessary.

There are books on this subject and more info comes out each day. So you won't find it all here in one article. I will, however, continue next month.

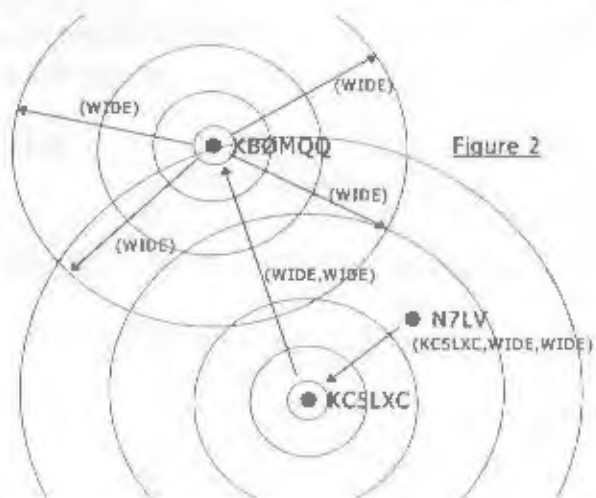


Figure 2

¹ Written by Bob Bruniga, WB4APR

Some Handy Phone Numbers

ARRL Headquarters - (860) 594-0200
ARRL/VEC FAX Number - (860) 594-0339
ARRL/FCC License Status Inquiries - (860) 594-0300
Colorado Ham Radio Exam Info (303) 360-7293

President's Corner *Moe Pierce, WBØRTF*

Here it is almost the end of May, and it will soon be Field Day. I am sure that this will be a good one as it has always been. I would like to thank all of you for the nice card which you signed for me for my birthday. As of next week I will be one year older. The meeting in June is a good one and informative as we will hear about the Y2K issue which will be coming up January 1, 2000.

Governor Owens has proclaimed field day as amateur radio day. This is a great thing for the ham community.

[Ed. Note: Check out the Proclamation on the club web page...]



Nets Heard in Colorado Springs

PPRAA Simplex	146.58	Thursday	7:00 PM
CO High Noon	7240	Daily	12 Noon
CO Columbine	3989	Daily	7:00 PM
Southern CO Traffic	146.97-	Daily	8:00 PM
State ARES HF	3928	Sundays	8:00 AM
State ARES VHF	145.13-	Sundays	8:30 AM
Colo Repeater Assn	145.16-	Sundays	9:00 AM
State RACES	3990.5	Sundays	6:00 PM
El Paso RACES	3990.5	Sundays	follows
El Paso HF Rndtable	28.385	Sundays	follows
PPFMA	146.97-	Sundays	8:30 PM
State ARES 2M SSB	144.22	Mondays	7:00 PM
PPARES	146.97-	Tuesdays	7:00 PM
EPC RACES	147.345+	Tuesdays	7:30 PM
MARA	147.48	Tuesdays	8:30 PM
MARC/PCRC	146.82-	Tuesdays	7:30 PM
ARES Dist 24	145.16-	Thursdays	8:00 PM
CMRG Info	147.345+	Thursdays	9:00 PM
WX Net	3.945	Daily	6:30 AM
10-X Net	28.380	Daily	18:00 UTC
10-X Net	28.800	Daily	18:00 UTC

John Max, President

Colorado Springs Wintronic Co.

Wholesale Distributors

Electronic Parts, Supplies, and Equipment

2838 N. Prospect St

Colorado Springs, Co 80907

Telephone: (719) 636-1661

Fax: (719) 636-1663

The Truest Form Of Service *Mike Anderson, W7TT*

It was a serious storm, one of those once or twice a century storms. Days of heavy downpours had swollen the creeks and rivers in central Colorado. Hams quickly responded to the call for emergency communications, placing the needs of the community above their own, ceaselessly requesting assignments. The Amateur Radio Emergency Service (ARES) coordinating amateur operations started dispatching hams in vehicles to locations of greatest concern. Reports of floodwater levels and debris content quickly flowed into the city's Office of Emergency Management/Police Operations Center. From the Red Cross headquarters, the ARES station monitored conditions and communicated with hams at the emergency shelters receiving status and occupancy. There were more hams than jobs to go around...what a concept. Long hours and lots of rain keep the volunteers well employed. Several stations stayed manned for over 24 hours. It is well known that actions speak louder than words and the hams displayed exceptional public spirit and their dedication to public service shown brightly.

[Ed. Note: Thanks to ALL the groups that helped!]

Help Wanted - Publicity Chair

The PPRAA is looking for a volunteer to be the Chairman of the Publicity Committee. No experience necessary, but strong motivation to draw publicity to our club is desired. Candidate should be eager to make phone calls, write letters, send FAX'es and e-mail to anyone that can spread the word about our programs. Contact any board member to apply!

When you buy from a *Q* Beat advertiser, let them know where you saw their ad!

LUNCH BUNCH



Hi everyone, please join the Lunch Bunch at the Hometown Buffet at the corner of Academy and Austin Bluffs. We get started at 11:30am. The date is June the 10th. See you there. If you have a question call me at 528-8361.
73, Ginger N0UOD

Pikes Peak Hill Climb Seeks Volunteers Rob Roller, N7LV

The PPIHC officials have again asked for amateur radio help this Fourth of July for the Pikes Peak International Hill Climb race. We'll need about 40-50 amateurs to staff various locations along the Pikes Peak Highway, from start to finish line. Amateurs are the eyes of the race officials, watching for problems that could affect the safety of race participants and spectators alike. Examples of problems are vehicles that have stalled on the track or have driven off the track, etc. Consequently, we try to position amateurs along the entire course so that as much of the course as possible is visible. Hams have been helping with this event for probably about forty years! Lots of excitement watching the race, busy radio operations during the race, and you get some great experience participating in a net. If you've never participated in this event, this year is as good as any to get started! If you're a new ham and want to participate, we can always hook you up with someone more experienced. Contact me to volunteer (282-0204 or n7lv@amsat.org).

Test Your Intelligence!

Read this sentence only once:
FINISHED FILES ARE THE RESULT OF YEARS
OF SCIENTIFIC STUDY COMBINED WITH THE
EXPERIENCE OF YEARS.

Now count the F's in that sentence. Count them
ONLY ONCE. See the answer on the next page.

Upcoming Swapfests

July 17, 1999

Northern Colorado ARC Superfest '99
McMillian Building, Larimer County Fairgrounds,
Loveland, CO
Exit 1-25 at Exit #255 (CO Hwy 402), go W to
Roosevelt, then N to fairgrounds.
Talk-in on 145.115 (100 Hz) or 146.52 MHz
Doors open at 0800, vendor setup on Saturday at 0600
Admission \$3, Tables \$8 (includes 1 admission)
Contact Michael Robinson, N7MR, 970-225-7501,
michael@frii.com
Mail checks to NCARC, Jeanene Gage NØYHY,
1533 1/2 9th St, Greeley, CO 80631-3113
General information 970-352-5304

August 15, 1999

DRC Hamfest, Jefferson County Fairgrounds, Golden.

August 28 & 29, 1999

MARC Campfest-Swapfest
Colorado Lions Camp
4 mi N of Woodland Park on Hwy 67 N
Potluck Saturday at 1700 - Bring your own meat
& a potluck dish. Admission free. 
Grand Prize (FT-100) drawing Sunday at 1100
Camping spaces \$10, setup Friday 8/27 after 1400
MARC, POB 1012, Woodland Park, CO 80866
Talk-in 146.82- 107.2 Hz
Wes Wilson KØHBZ, wlv@prodigy.net.
719-687-8758

Sept 26, 1999

BARCfest
Boulder County Fairgrounds, Nelson & Hover Rds,
Longmont, CO

November 20

Rocky Mountain Radio League Hamfest, Jefferson
County Fairgrounds, Longmont.

(Continued from page 1)

corner to the hobby, Field Day offers something for everyone: satellites, packet, VHF, CW, Phone, RTTY, traffic handling, experimentation, contesting. If it is your interest, it has a place at Field Day.

While listed as a contest, remember that the key element of Field Day is to test emergency preparedness. Annually, Field Day brings together the amateur community, local and state authorities, representative of the agencies we serve, and the general public in a national educational exercise. It serves as a once-a-year focal point to highlight the tremendous amount of time, efforts, and talents which hams contribute to the community.

For the Pikes Peak Radio Amateur Association (PPRAA) and the Mountain Amateur Radio Club (MARC), Field Day is all of the above, and more. We participate in the contest using portable emergency power, portable antennas and temporary shelters, all during a picnic-like atmosphere. We sponsor a Saturday night cookout, a Sunday morning breakfast and camp out over the weekend.

The location: Turn into the South entrance to the Air Force Academy (I-25 at exit 150). About half way between I-25 and the gate (guard shack) there is a road to the North. Turn onto this road and after about 1/4 mile turn left into the parking lot of the Sports Club.

We hope to see all of you there. For additional information, contact Mike Stansberry, KØTER, at:

phone: 636-1290 (H) or 590-3036 (W)

packet: kØter@n0wpa

email: jms@mssjms.col.hp.com



This space should have been yours. Please consider contributing a short article!

Remember that this is **our** newsletter!

Contact the editor with your suggestions!

(Continued from page 4)

I like to have fun, camp, hunt, and fish. I used to ride motorcycles (Honda Goldwings) until a back injury I received in the Navy back in 1967 started getting worse and I had to give up that hobby. But I still have ham radio.

My first Chief of Police in Coronado was a licensed ham, KG6LF and he finally talked me into taking a class. I was first licensed as KB6TYL, then upgraded to N6QWX, changed to N1WPH and now to my vanity call of NØMUD, as a Tech Plus. I am also a trained computer technician in the repair and upgrade of computers, training received in San Diego.

You may hear me talk a lot about San Diego but that's because I lived there for 9 years during and after my naval days, but trust me, this is home. There is no better sight than seeing that big mountain to the west of us every day and having the opportunity to go up to the mountains for camping, fishing and hunting.

Well, when you see me at the meetings and hear me on the air, say "Hi" to me and get to know me.

Thanks,



Answer to Quiz on Facing Page:

There are six F's in the sentence.

A person of average intelligence finds three of them.

If you spotted four, you're above average.

If you got five, you can turn your nose at most anybody.

If you caught six, you are a genius.

There is no catch. Many people forget the "OF" 's. The human brain tends to see them as V 's and not F's. Pretty weird, huh?

Dits And Bits

For Sale: Joanne Caton, widow of Dennis Caton, KFØJT, SK, is selling a homebuilt desk. The wood desk is about 7 1/2 ft long and about 3 ft deep, has a removable shelf, and is solidly built and is fairly heavy. She's asking for \$150 or best offer. She's also willing to negotiate, so if you're interested in it please call her. 495-3118.

For Sale: Kenwood TR751A 2 Meter Single-sideband Mobile rig, LSB, USB, CW and FM 25 Watts, GaAs-FET front end, Noise Blanker, DTMF Mike. One-owner, 6 years old. Works great! Has optional CTCSS Tone Board, mobile bracket and manual. \$325. Ted Allison, NØNKG, 719-633-1517 home or 719-590-2555 work, teda@col.hp.com

For Sale: TriEx-51 51 ft. self supporting, crankup tower, with thrust bearing, and cable standoffs. Nests to about 23 ft. \$500.00. CDE HAM III Rotor and Controller. \$125. Cushcraft ATB-34 four element tri-band beam. 10, 15, 20 meters. \$125. \$700.00 for the package. Will assist with take down. Don Fuhs, KEØCQ, 719-269-9956, donfuhs@juno.com or drfuhs@aol.com

Free for the taking - Back issues of QST, some 1960's and 1970's. Rob N7LV, 282-0204.

Wanted: Heathkit 'Sixer' in good physical condition. Also, original microphone for my 'Twoer.' Rick Brown, KØSU, 531-9423 (before 9 PM,) k0su@kktv.com.

For Sale: IC-726, HF plus 6m. Narrow CW filter, General coverage receiver, great mobile/base rig, very little use. \$500. Vectronics 2Kw antenna tuner. High current roller inductor with turns counter, SSB bargraph analyzer, Cross needle SWR/Power meter, 6 position antenna switch, and built in balun. \$300. Larry Lewis, KØRI, 495-4899

Help Needed:

Desperate to get flatbed scanner operational. Trade Yaesu FT-470 dual-band HT for older Pentium computer. Monitor, keyboard, or mouse not required (but will accept). I have a flatbed scanner and my 486 will not run it, but scanner will run on my son's Pentium. Mike Anderson, WV7T, 634-7168, wv7t@aol.com

Pikes Peak Public Service Rob Roller, N7LV

This is a new column, hopefully a regular column. Its purpose: to inform our members of the value of public service and of scheduled activities in the region related to public service or emergency communications. Since the earliest days of amateur radio, hams have been finding ways to help others in need. The tradition continues, nearly a century later, with hams assisting during walks and bike rides, doing damage assessment for the OEMs, and watching the skies for severe weather. So why do we do it? Most of us, I'd guess, do it because of a desire to help the public, and realizing the power of our communications tools, volunteering as communicators seems to be just the right thing. How do we do it here in the Pikes Peak region? There are many planned activities that give us valuable training; and there are, unfortunately, a few unplanned emergencies which all us to put that training to the test.

Some of the planned activities are public service events like the Hill Climb, the MS-150, and the balloon classic; the monthly RACES meetings, the annual Skywarn training, the simulated emergency tests. Some of the unplanned events are the winter blizzards, the flooding, the phone outages, and the wildfires. In order to know how effective you'll be in the unplanned events, you first need to know how effective you can be during the planned events. The planned events are generally more laid back, less stressful events, and you've got time to prepare. Talk to others ahead of time and learn what to bring and what not to bring, where you can park, how to carry your equipment, what kinds of personal gear to bring. Hams that have been doing this for years have developed their own checklist and some even have a special bag or box with necessary equipment ready to go at a moment's notice.

Here are a few upcoming planned events to help you get your feet wet and see if public service is the thing for you. Please contact the person listed if you're interested. I'll have more in the next column.

Pikes Peak Public Service Calendar 1999 Calendar of Events

Date	Event	POC
Jun 17	RACES Mtg	KBØVGX 575-8400**

(Continued on page 11)

Field Day Novice/Tech Help Needed

Linda K. Hedges, KBØRKW

The Field Day Novice/Tech Station will be under the leadership of Ed Bretag, NØZPX from the Mountain Amateur Radio Club (MARC). Ed is requesting help from the PPRAA on manning and setting up this station, and he is taking names/phone numbers of Novice and Tech Plus licensees who can help with this FUN event. Technician Licensee's can operate at this level also, but cannot do the set up. No equipment will be needed, it will all be supplied.

This will be an excellent opportunity for all hams to get to know the other hams in the El Paso/Teller County area - to operate and have a good time. It is hoped that this station will be able to communicate, with the cooperative help from both clubs, for the entire event. This can only be accomplished with your help. What we need at this time are the names and phone numbers of hams willing to help out. This would be a good time to get the time slot you would prefer and not have to be scheduled at a time that might not be exactly to your liking. We hope to get the schedule set up, with your help, by the end of the first weekend in June. Contact: Ed Bretag, -NØZPX at EBretag@aol.com or call (719) 748-3386 (home)/231-6191 (Pager). Or, you can also contact me at kbØrkw@juno.com or call (719) 473-8761 (before 1PM and after 7PM.) Thank you for all your help in advance!

PS: You don't have to be a member of either club to participate, so if you know anyone that would like to operate, please pass this along.

(Continued from page 10)

Jun 26	RACES/CAP	KBØVGX 575-8400**
Jul 4	PP Hill Climb	N7LV 282-0204***
Jul 10-11	MS-150 Bike	NØOUD 636-1290*
Jul 15	RACES Mtg	KBØVGX 575-8400**
Aug 12	OEM/City Ex	KBØVGX 575-8400**
Aug 19	RACES Mtg	KBØVGX 575-8400**
Aug 21-22	PP Ascent	NØOUD 636-1290*
Aug ??	Terrorist Ex	WØYNE 495-0471*

*=PPARES **=RACES ***=PPRAA&PPARES

Armed Forces Day at KØUSN

Mike Anderson, WV7T

The Rocky Mountain Navy Amateur Radio Club honored America's Armed Forces by operating club station KØUSN from the US Air Force Academy May 15th, 1999 in Colorado Springs Colorado. Operations were set up just off the interstate highway at a rest stop allowing travelers and local hams alike to visit the Activities. A full color display board with information posters detailing each service's different day of observance and how all but the Marine Corps signed on for a single day observance. The Military Affiliate Radio System (MARS) was prominently featured with handouts and information on what MARS is all about. Members of the Rocky Mountain Navy Amateur Radio Club were on hand to support operations and some very new hams also. On of the new hams, Robert Becker, KCØFIH, and his mom Marcia, KCØFIL, assisted in operating the station. Many hams and non-hams stopped by to see what was up and get a brief introduction in the art of amateur radio.

The Rocky Mountain Navy ARC plans to have a special event stations frequently to introduce the public to ham radio and train new hams...well...perhaps give older hams a chance to operate too. Be sure to check out the club web site: <http://www.qsl.net/rmnarc>

MS-150 Bike Ride Info

There is a pretty nice web page documenting the upcoming MS-150 bike ride, planned for July 10-11: <http://www.dimensional.com/~wahorger/99ms150/>

Volunteers should contact Jerry Cassidy, NØMY (jcass@pcisys.net) if you live in the Denver metro area or points north.

Contact Luci Stansberry, NØOUD (jms@col.hp.com) if you live in the Colorado Springs area or further south.



Membership Application - Pikes Peak Radio Amateur Association, Inc.

Date: _____ ☐ New Membership ☐ Renewal

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License _____ Class _____

Telephone _____ Email address: _____

Are you an ARRL member? ☐ Yes ☐ No

One year membership rates, starting the month you receive your first issue:

- | | |
|--|---|
| ☐ Full Member - \$15.00 | ☐ Family Membership (same address) - \$18.00 |
| ☐ Full Member over 65 - \$10.00 | ☐ Family Membership (both over 65) - \$12.00 |
| ☐ Associate Member - \$12.00 | ☐ Newsletter only \$12.00 |

Additional Name: _____ Call _____ Class _____

Additional Name: _____ Call _____ Class _____

Would you participate in/
help with:

- ☐ Field Day
- ☐ Swapfest
- ☐ RFI Committee
- ☐ Radio demonstrations
- ☐ On-Air Nets
- ☐ Special Event Comm
(walks, foot races, etc.)
- ☐ Teach potential hams
about ham radio (Elmering)
- ☐ Hospitality
- ☐ Public Relations

Your Interests

- | | |
|-----------------------------------|------------------------------------|
| ☐ HF | ☐ VHF/UHF |
| ☐ FM | ☐ SSB |
| ☐ Digital | ☐ DX |
| ☐ Contests | ☐ Technical |
| ☐ Hardware | ☐ _____ |
| ☐ _____ | ☐ _____ |
| ☐ _____ | ☐ _____ |

Please Note: You must submit a completed application form along with your check to the Treasurer for both new members as well as renewals. Thank you! PLEASE TYPE OR PRINT CLEARLY!

Pikes Peak Radio Amateur Association, Inc.

P.O. Box 16521

Colorado Springs, Colorado 80935



Ø Beat

Jeff Boyes, Editor

(719)229-5703

Email: n0jlh@qsl.net

Renay Boyes

Design/Layout

X Press Printing

Colo. Spgs., CO

Printer

1 Renew before 03/31/00

RONALD DEUTSCH

NK0P

4305 RIDGELANE DR.

COLORADO SPRINGS, CO 80918